

Briggs, Caroline (2019) Increase your confidence and skills in creating accessible learning materials. In: Learning & Teaching Fest 2019, 3 July 2019, University of Cumbria, Carlisle, UK. (Unpublished)

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Creating Accessible Learning Materials



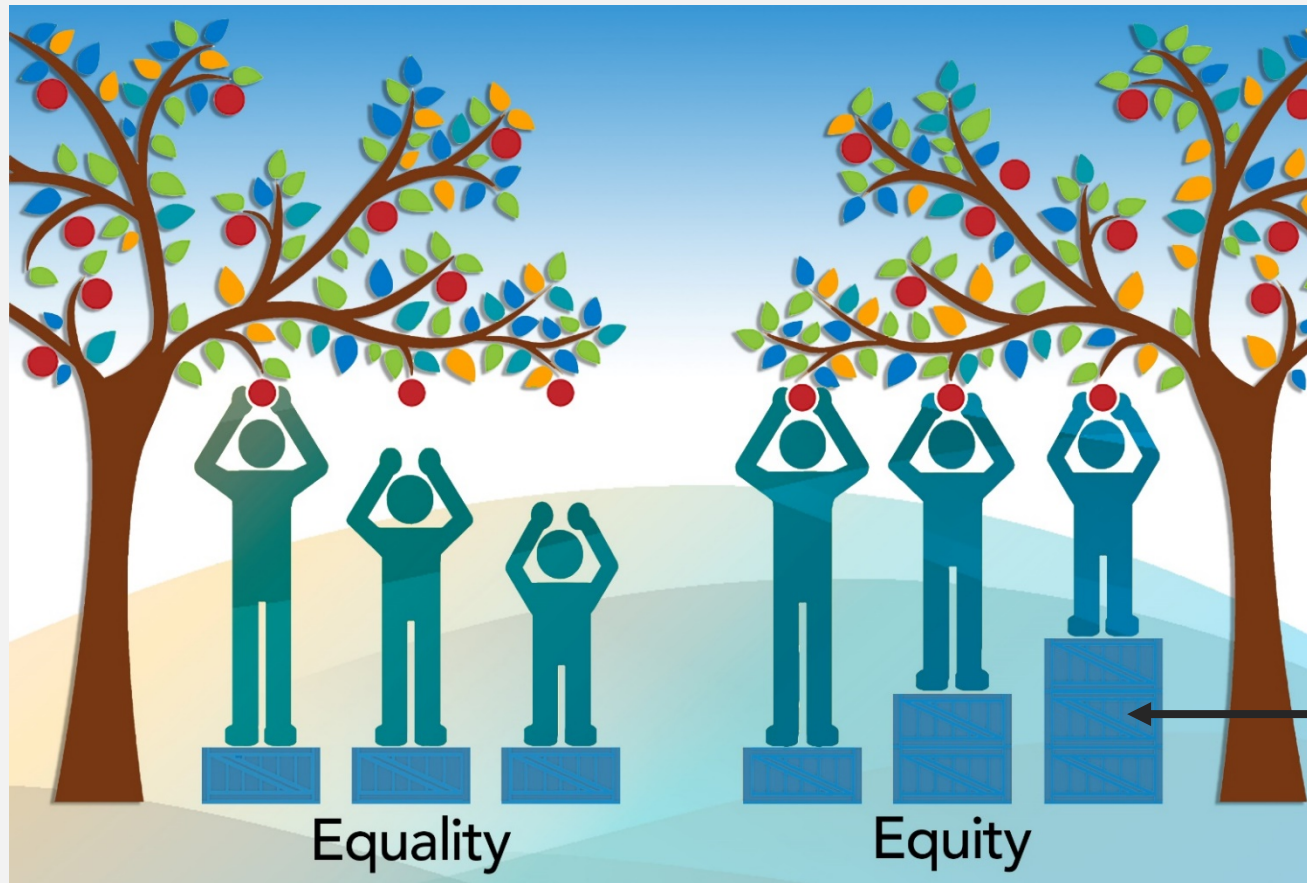
Delivered by: Caroline Briggs

Creating Accessible Learning Materials

- To make informed decisions when designing materials which are accessible to a wide range of learners
- To gain insight of some of the barriers faced by students with learning differences and disabilities
- To be aware of the implications of the Digital Accessibility Regulations



Equality of Opportunity to enables you to achieve your full potential



Reasonable
Adjustments

How is accessibility measured?

This means that they must be accessible in terms of being

- **Perceivable** (sight, hearing, mixture of senses)
- **Operable** (using different interfaces e.g. tab keys, mouse, keyboard)
- **Understandable** (simple language, clear, accessible font)
- **Robust** (interoperable with other assistive technologies)



Digital Regulations: Key Dates



- All new websites and content created from 23 September 2018 need to comply with accessibility requirements by 23 September 2019.
- Websites and content created before 23 September 2018 will need to be compliant by September 2020

Making the right choices: Font

Bb

Inaccessible Font 1,2,3: Serif font 

Bb
Bb
Bb
Bb

Accessible Font 1,2,3: Sans Serif 

Making the right choices: Alignment

Left Align 

Centre 

Right 

Justify 



Making the right decisions: Emphasizing Text

- **Emphasizing text**



- Emphasizing text



- *Emphasizing text*



- Emphasizing text



- **Emphasizing text**



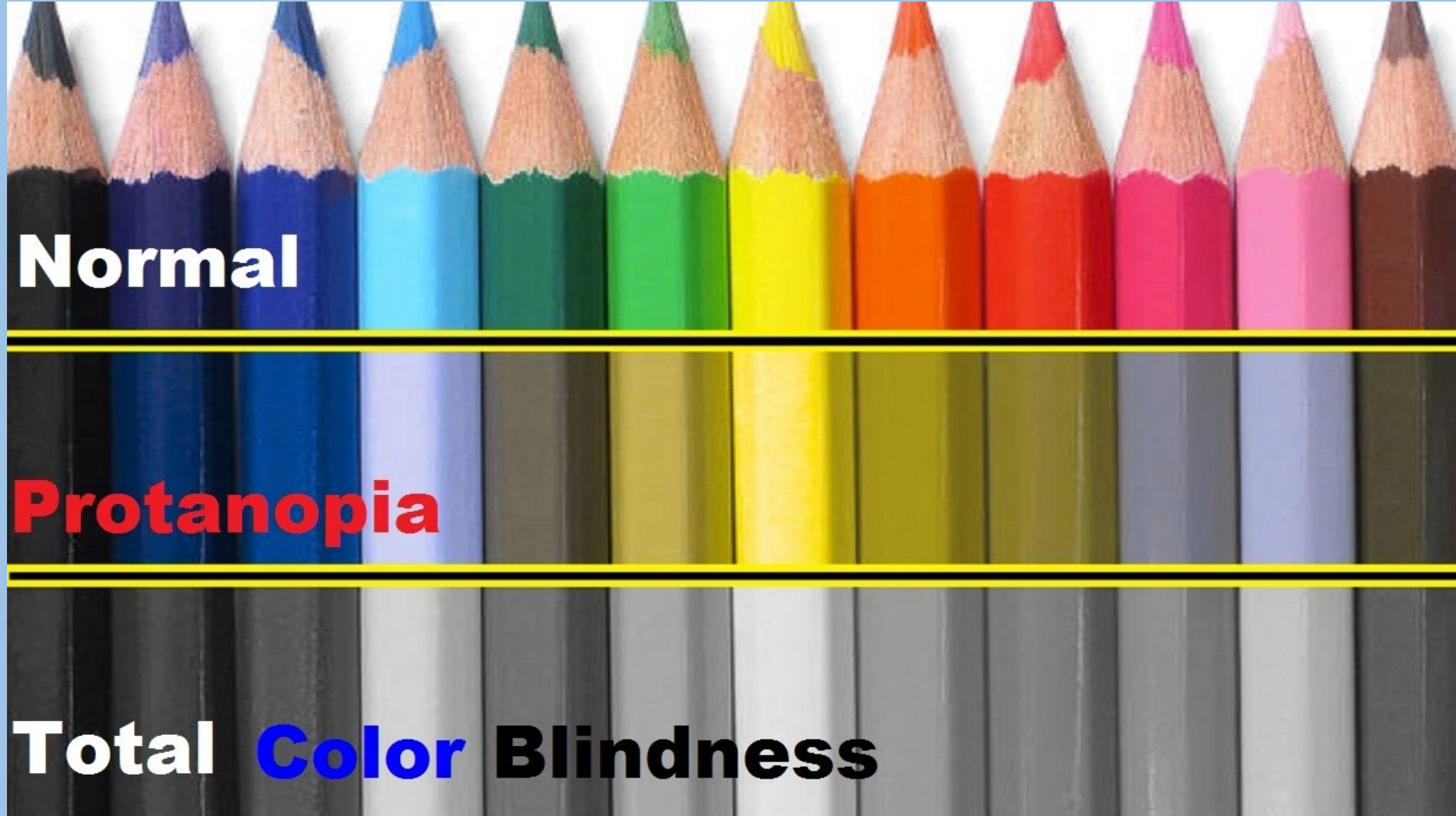
Irlen Syndrome is a visual perceptual difficulty that can affect individuals of all ages. Symptoms can include: word movement or distortion, headaches, migraines, fatigue, and poor depth perception. Visual stress can also exacerbate reading and writing difficulties.

Cataract Vision Examples



<https://i.ytimg.com/vi/gV0BnjfGLDw/maxresdefault.jpg>

Colours viewed by sight impaired people



Levels of Macular Degeneration



Irlen's Syndrome Example

Irlen Syndrome is a visual perceptual difficulty that can affect individuals of all ages. Symptoms can include: word movement or distortion, headaches, migraines, fatigue, and poor depth perception. Visual stress can also exacerbate reading and writing difficulties.

Accessibility Checker

The screenshot shows the 'Info' pane in Microsoft PowerPoint. The left sidebar contains navigation options: Info, New, Open, Save, Save As, Save as Adobe PDF, History, Print, Share, Export, Close, Account, and Options. The main area is titled 'TeachingFest2019' and shows the file's location as 'OneDrive - University of Cumbria > Training'.

The 'Inspect Presentation' section is active, displaying a list of checks:

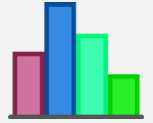
- Protect Presentation**: Control what types of changes people can make to this presentation.
- Check for Issues**
- Manage Presentation**: Check in, check out, and manage versions.

A tooltip is displayed over the 'Check Accessibility' option, providing details about the check:

- Inspect Document**: Check the presentation for hidden properties or personal information.
- Check Accessibility**: Check the presentation for content that people with disabilities might find difficult to read.
- Check Compatibility**: Check for features not supported by earlier versions of PowerPoint.

The right side of the pane shows the 'Properties' section with details such as Size (1.51MB), Slides (17), Hidden slides (0), Title (PowerPoint Presentation), Tags (Add a tag), and Categories (Add a category). Below this, the 'History' section shows a list of recent changes, and the 'People' section shows the author 'Briggs, Caroline'.

Accessible images, tables and charts



- All objects will need to have alternate text adding. The term Alt txt is the written description of the image, table or chart for screen readers.
- If the chart or table is an image you will need to explain all the data included.
- Colour coding is to be avoided and the use of texture is advised.
- Use number digits where possible rather than written numbers.
- Do not use Wrap text Behind or In front of text.
- Table titles must be identified and repeated if the table is on the next page.

